

Roadie S12



Engineered for life on the road.

Christie's Roadie, the world's first purpose-built multi-media projector for large audiences projects with true SXGA 1280 x 1024 resolution and it can do so at 12000 ANSI lumens, making the S12 the most powerful purpose-built projector in its class, available on the market today.

The Roadie S12 utilizes the advanced image processing technology developed for the Roadster series, to offer a level of image quality that is unrivaled by today's projection systems. Better still by taking advantage of the S12's true digital capabilities you can project HDTV and DTV images as they were intended.

In designing the S12 we have taken full advantage of our relationship with our parent company Ushio, a leading manufacturer in lamp technology and design. The S12 combines such stunning image rendition, brightness and sharpness of details, yet the S12 utilizes the same 1.9 kW Ushio Xenon short-arc illumination system as used by our X10 projector.

In keeping with the Roadie series edict of offering purpose-built projectors for large audience applications, the S12 utilizes Christie's unique Intelligent Lens System (ILS™). The ILS™ allows lens position to be automatically recalled during channel switching for up to 100 sources. Other features include built-in stackability and a full suite of fixed and zoom lenses.

- 12000 ANSI lumens at 1.9 kW operation
- Revolutionary 3-chip DLP™ light engine
- True SXGA, 1280 x 1024 resolution
- 1.9kW Ushio Xenon short-arc illumination system
- >90% brightness uniformity
- ILS™ Intelligent Lens System
- Built-in light shutter
- Greater lens offset capability and new tilt adjustment for focus uniformity
- Dynamic scaling, horizontal and vertical adjustment for video and data
- Fully motorized zoom, focus, horizontal and vertical offset (with manual override)
- Rugged, self-stacking chassis design
- 100% digital solution from source to screen

APPLICATIONS

- | | |
|----------------------------|------------------------------------|
| • Tradeshows, exhibitions | • Concerts |
| • Auditoriums and churches | • Casinos, theme parks and museums |


Project. Present. Perform.

Roadie S12 • Specifications

Brightness

- 12000 ANSI lumens at 1.9 kW operation (typical)
- Over 90% brightness uniformity across the screen

Contrast Ratio

- Greater than 250:1 ANSI, greater than 400:1 full field

Resolution/Digital Processing

- 3-chip 1.1" DMD™, (Digital Micromirror Device) system
- True SXGA 1280 x 1024 chip resolution
- 13-bit user selectable gamma table
- More than 1 billion displayable colors

Dynamic Scaling

- Resizing capabilities to scale down from 1600 x 1200 and up from 640 x 480 to SXGA resolution

- Slot for an optional input module
- Full compatibility with third-party switchers

HDTV/DTV Compatibility

- Full HDTV/DTV compatibility on analogue RGB/YpPr inputs
- Accepts 480i, 480p, 576i, 576p, 720p, 1035i, and 1080i formats at all applicable frame/field rates
- Accepts 1080p at 24, 25 and 30 Hz frame rates
- Optional HDTV Serial Digital Input Module

Various Key pads

- Standard hand-held IR backlit remote keypad, front and rear infrared sensors
- Built-in backlit keypad

- Color temperature adjustment range: 32000K to 93000K
- User replaceable lamp within 5 minutes
- Typical lifetime: 1000 hours

Variable Lamp Power Supply

- User adjustable lamp power, levels as low as 1000W

Power Requirements

- Line voltage 220V AC to 240 VAC +/- 10% @ 50/60 Hz
- Power consumption: 2800 W maximum
- Thermal dissipation: 9500 BTU/hr

Size and Weight

- 225 lbs (102kg)
- 29" W x 54" L x 16" H
- 73.6cm W x 137.16cm L x 40.64cm H

FEATURES



- 100% digital solution from source to screen.



- Suite of custom accessories including custom short throw, fixed and zoom lenses, stacker kit, remote LCD controller.



- Dynamic scaling - horizontal and vertical adjustment for video and data.

- Independent horizontal and vertical size adjustment for graphics and video inputs

Horizontal Frequency Range

- 15 to 120 kHz

Vertical Frequency Range

- 24 to 120 Hz

Field Interchangeable Optional Lenses

- Fixed short throw lens XGA 0.8:1 becomes 0.64:1 for SXGA
- Short zoom XGA lens: 1.5 2.5: 1 becomes 1.2-2:1
- Zoom XGA lens 2.5-4:1 becomes 2-3-2:1
- Zoom XGA lens 4-7:1 becomes 3.2-5-6:1
- Screen size 1.5m - 12.2m (5ft - 40ft) diagonal

Power Lens Mount

- Fully-motorized (with manual override) lens focus, zoom, horizontal and vertical offset
- Unique ILST™ (Intelligent Lens System) – Lens position (zoom, focus, horizontal and vertical offset) is automatically recalled during channel switching
- Lens mount tilt adjustment
- Built-in light shutter

Inputs

- Built-in RGB/YUV/YpPr inputs allowing separate H and V syncs, composite sync and sync-on-green/luma (5 BNC connectors)
- Multi-standard Video Decoder Module (NTSC 3.58, NTSC 4.43, PAL, PAL 60, PAL M, PAL N, SECAM) with one composite video input (BNC and RCA connectors) and one S-video input (two BNC and 4-pin mini-DIN connectors)

- Optional RS422 two-way remote controller with LCD display using 6-pin XLR connector with range of 600ft (183m)
- Optional wired backlit remote keypad with 3-pin XLR connector

Control/Networking

- Third party control system and switcher compatibility
- Dual RS232 ports for computer control, with loop-through for connection of multiple projectors
- Dual RS422 ports for connection of optional LCD two-way controllers and loop-through to multiple projectors up to 600ft (183m)

Diagnostics

- Built-in LCD diagnostic display indicates operational status and error messages
- Power and Status LED
- Full diagnostics through RS232 9-pin D connector

Graphical User Interface

- Auto set-up feature
- "Direct Access" intuitive user interface for complete projector control in 5 world languages
- On-screen user movable menus to fit different image aspect ratios (4:3, 5:4, 16:9, etc.)
- On-screen help menus
- 100 channel memories
- Auto power feature

Lamp Specification/Color Temperature

- 1900W SHB Xenon illumination system
- Constant color temperature over the lamp life

Standard Accessories

- IR remote keypad with batteries
- User manual with warranty card

Optional Accessories

- Serial Digital Input (SMPTE 259M/CCIR 601) with loop-through feature
- Digital HDTV Input module (with loop-through feature) compatible with all known HDTV formats
- PanelLink™ Input module
- Compatible with all Marquee Input modules
- RS422 two-way remote LCD controller
- Replacement lamp module
- Remote infrared sensor
- Service manual
- Librarian communication software
- Transit case

Regulatory Approvals

- CSA, UL and European safety approvals
- North American and European EM/EMC approvals

Warranty

- Two years parts and labor
- Accessories: 90 days

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